Applicant: Jun Koyama et al. Serial No.: 10/719,031 Filed: November 24, 2003

Page : 2 of 13

#### Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

1. (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate,
wherein at least one of the pixels comprises a first light emitting element, [[and]] a second light
emitting element, a first transistor and a second transistor,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

wherein the second light emitting element comprises a-second the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction,

wherein the second light emitting element emits light in a second direction which is opposite to the first direction, [[and]]

wherein the first electrode covers the first electroluminescent layer, and the second electroluminescent-layer

wherein the first transistor is electrically connected to the first light emitting element, and wherein the second transistor is electrically connected to the second light emitting element.

# 2. (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate, wherein at least one of the pixels comprises a first light emitting element, [[and]] a second light emitting element, a first transistor and a second transistor,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

Applicant: Jun Koyama et al. Serial No.: 10/719,031 Filed: November 24, 2003

Page : 3 of 13

wherein the second light emitting element comprises a-second the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction,

wherein the second light emitting element emits light in a second direction which is opposite to the first direction, [[and]]

wherein the first electrode covers the first electroluminescent layer, and the second electroluminescent-layer

wherein the first transistor is electrically connected to the first light emitting element, and wherein the second transistor is electrically connected to the second light emitting element, and

[[a]] means for selecting either or both of the two directions in which the first light emitting element and the second light emitting element emit light.

### 3. (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate,
wherein at least one of the pixels comprises a first light emitting element and a second
light emitting element,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

wherein the second light emitting element comprises a-second the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction,

wherein the second light emitting element emits light in a second direction which is opposite to the first direction,

wherein a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on which the pixel portion is formed,

wherein a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit, and

Applicant: Jun Koyama et al. Serial No.: 10/719.031

Filed : November 24, 2003

Page : 4 of 13

wherein the first electrode covers the first electroluminescent layer and the second electroluminescent layer.

### 4. (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate,
wherein at least one of the pixels comprises a first light emitting element and a second
light emitting element,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

wherein the second light emitting element comprises a-second the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction,

wherein the second light emitting element emits light in a second direction which is opposite to the first direction, and

[[a]] means for selecting either or both of the two directions in which the first light emitting element and the second light emitting element emit light,

wherein a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on which the pixel portion is formed,

wherein a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit, and

wherein the first electrode covers the first electroluminescent layer and the second electroluminescent layer.

## 5. (Canceled)

6. (Currently amended) The display device according to claim, wherein the display device comprises [[a]] means for selecting whether the first light emitting element emits light or no light; and

Applicant: Jun Kovama et al. Serial No.: 10/719,031 Filed

: November 24, 2003

Page : 5 of 13

If all means for selecting whether the second light emitting element emits light or no light.

7. (Previously presented) The display device according to claim 1, wherein a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on which the pixel portion is formed, and

wherein a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit.

8. (Previously presented) An electronic device using the display device according to claim 1.

## 9-12. (Canceled)

13. (Currently amended) The display device according to claim 3, wherein the display device comprises [[a]] means for selecting whether the first light emitting element emits light or no light; and

[[a]] means for selecting whether the second light emitting element emits light or no light.

### 14. (Canceled)

15. (Previously presented) The display device according to claim 2, wherein a source signal line driver circuit, a first gate signal line driver circuit and a second gate signal line driver circuit are formed on the surface of the substrate on which the pixel portion is formed, and

wherein a scan direction of the first gate signal line driver circuit is orthogonal to that of the second gate signal line driver circuit.

16. (Previously presented) An electronic device using the display device according to claim 2.

Applicant: Jun Koyama et al. Serial No.: 10/719.031

Filed: November 24, 2003

Page : 6 of 13

17. (Previously presented) An electronic device using the display device according to claim 3.

- 18. (Previously presented) An electronic device using the display device according to claim 4.
  - (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate, at least one of the pixels comprising:

a first light emitting element; [[and]]

a second light emitting element; [[,]]

a first transistor; and

a second transistor,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

wherein the second light emitting element comprises a second the electroluminescent layer between the first electrode and a third electrode,

wherein the first electrode is opposite to the second electrode and the third electrode, wherein [[a]] the first light emitting element emits light through the first electrode, wherein [[a]] the second light emitting element emits light through the third electrode, [[and]]

wherein the first electrode covers the first electroluminescent layer, and the second electroluminescent layer

wherein the first transistor is electrically connected to the first light emitting element, and wherein the second transistor is electrically connected to the second light emitting element.

20. (Currently amended) A display device comprising:

Applicant: Jun Koyama et al. Serial No.: 10/719,031

Filed: November 24, 2003

Page : 7 of 13

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate, at least one of the pixels comprising:

a first light emitting element;

a second light emitting element;

a first driving transistor; and

a second driving transistor,

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode,

wherein the second light emitting element comprises a-seeond the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction,

wherein the second light emitting element emits light in a second direction which is opposite to the first direction,

wherein the first electrode covers the first electroluminescent layer and the second electroluminescent layer,

wherein the first transistor is electrically connected to the first light emitting element, wherein the second transistor is electrically connected to the second light emitting element, and

wherein a gate electrode of the first transistor is electrically connected to a gate electrode of the second transistor.

# 21. (Currently amended) A display device comprising:

a pixel portion in which a plurality of pixels are arranged in a matrix over a substrate, at least one of the pixels comprising:

a first light emitting element;

a second light emitting element;

a first driving transistor;

a second driving transistor;

a first switch for supplying a current to the first light emitting element; and

a second switch for supplying a current to the second light emitting element,

Applicant: Jun Koyama et al. Serial No.: 10/719,031 Filed: November 24, 2003

Page : 8 of 13

wherein the first light emitting element comprises a first an electroluminescent layer between a first electrode and a second electrode.

wherein the second light emitting element comprises a second the electroluminescent layer between the first electrode and a third electrode,

wherein the first light emitting element emits light in a first direction.

wherein the second light emitting element emits light in a second direction which is opposite to the first direction, and

wherein the first electrode covers the first electroluminescent layer and the second electroluminescent layer,

wherein the first transistor is electrically connected to the first light emitting element, and wherein the second transistor is electrically connected to the second light emitting element.

- 22. (Previously presented) An electronic device using the display device according to claim 19.
- (Previously presented) An electronic device using the display device according to claim 20.
- 24. (Previously presented) An electronic device using the display device according to claim 21.
- 25. (Currently amended) [[The]]  $\underline{\Lambda}$  display device according to claim 1, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.
- 26. (Currently amended) [[The]]  $\underline{\Lambda}$  display device according to claim 2, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.
- 27. (Currently amended) [[The]]  $\underline{\Lambda}$  display device according to claim 3, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.

Applicant: Jun Koyama et al. Serial No.: 10/719,031 Filed: November 24, 2003

Page : 9 of 13

28. (Currently amended) [[The]]  $\underline{\underline{A}}$  display device according to claim 4, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.

- 29. (Currently amended) [[The]]  $\underline{A}$  display device according to claim 19, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.
- (Currently amended) [[The]] A display device according to claim 20, wherein the
  first electrode, the second electrode and the third electrode have light transmitting properties.
- 31. (Currently amended) [[The]]  $\underline{A}$  display device according to blaim 21, wherein the first electrode, the second electrode and the third electrode have light transmitting properties.
- 32. (Currently amended) [[The]] A display device according to claim 1, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.
- 33. (Currently amended) [[The]] A display device according to claim 2, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.
- 34. (Currently amended) [[The]]  $\underline{\Lambda}$  display device according to blaim 3, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.
- 35. (Currently amended) [[The]] A display device according to claim 4, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.
  - 36. (Currently amended) [[The]] A display device according to claim 19, further

Applicant: Jun Koyama et al. Serial No.: 10/719,031

Filed : November 24, 2003 Page : 10 of 13

comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.

- 37. (Currently amended) [[The]] A display device according to claim 20, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.
- 38. (Currently amended) [[The]]  $\underline{\underline{A}}$  display device according to taim 21, further comprising a reflective film over the first electrode, wherein the reflective film overlaps with the third electrode.